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PROGRESS REPORT ★ SECTION

5

MEDICAL

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UNITED STATES ARMY
SERVICES OF SUPPLY
S.W.P.A.

Progress Report - Section 5

"HEALTH"

Table of Contents

	<u>Page No.</u>
Index	1
General Comments	2
Leading Causes of Non-effectiveness.	3
Admissions to Sick Report.	4
Deaths by Causes	5
Medical Evacuation Chart	6
Medical Evacuations by Cause	7
Malaria Attack Rates.	8
Malaria Distribution by Areas and Commands	8
Beds Occupied by Malaria Patients.	8
Hospital Bed Status.	9
Nutrition Content of the Army Rations.	10-11

Notes and Definitions

Abbreviations:

WIA - Wounded in action
IIA - Injured in action
N-B Injury - Non-battle injury
FUO - Fevers of undetermined origin

Annual Rates per Thousand: Rates in the form of "annual rates per thousand men" are conventionally used in medical statistics and reporting. They serve the purpose of basing observations on a common time-period. Most annual rates in this report are based on observation of a month-long period; such rates can be converted to rough percentages for the month by dividing them by 120.

Crude Death Rates: This term applies to deaths from all causes among the entire army in the theater, as distinct from death rates specific for cause, age, risk, and so on.

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HEALTH OF U. S. ARMY TROOPS IN SWPA

October 1944

1. NON-EFFECTIVENESS

The non-effective rate shows a gradual but significant increase since July, although the estimated rate was somewhat higher (4.4%) than the corrected rate (4%) for August. The estimated non-effective rate for October is 4.4% and incomplete reports for November indicate that this rise will continue. During August there was a decrease in non-effectiveness due to battle casualties, but there was a marked increase during October. The rise in non-effectiveness is also due to accumulation of medical patients awaiting return to the United States.

2. ADMISSION TO SICK REPORT

The admission rate to sick report for September shows a decline from the August figure although the August rate was higher than the previously estimated rate. Incomplete returns for October indicate that the rate will be somewhat higher. There was a marked increase in the rate for Diarrheal Diseases, a decline in the rates for Typhus, Dengue and Respiratory Diseases.

3. DEATHS

The crude death rate for the theater showed a significant decrease during August and September. There was an increase in deaths from non-battle injury which was offset by a decrease in the rate for those killed in action and those dying of battle wounds.

4. EVACUATIONS

There was no significant change in the evacuation rate during the month of August, but a decline for September with a corresponding increase in those boarded and awaiting evacuation to the United States. There were one hundred and eighty-one (181) air evacuations to the United States during the month of August and two hundred and twenty-four (224) during the month of September. This is the largest number to be evacuated by air, since the inauguration of air evacuation. The percentage of evacuations due to Dermatitis continued to rise through August and September.

5. HOSPITAL BEDS

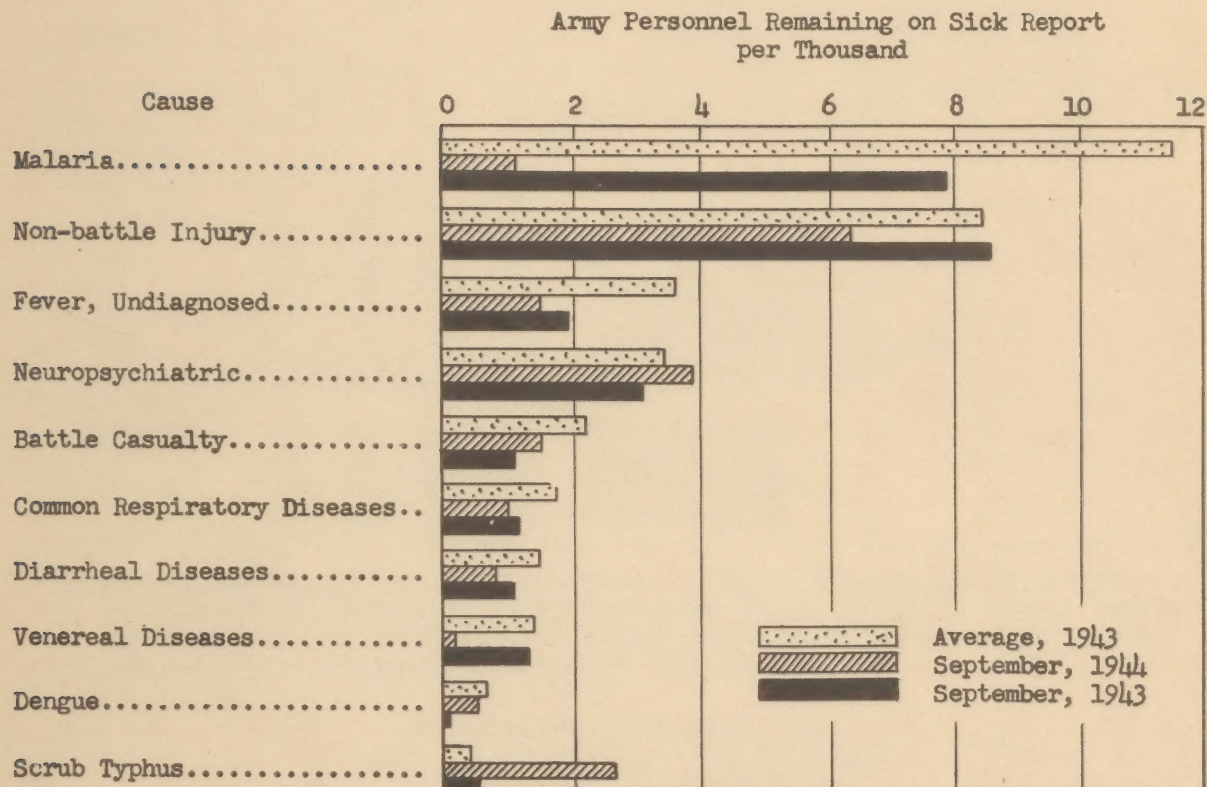
There was an increase in fixed beds of approximately 4000 in the theater due largely to the reorganization of hospitals and increasing the capacity of units. There was also an increase in mobile beds. The percentage of T/O beds occupied in the Bases was 74% against 91.5% for July. There were 6979 vacant beds in the Bases as of October 25, 1944. From these vacant beds it was necessary to allocate 7000 bed credits for the Leyte operation. Therefore, there was barely sufficient beds in the Bases to support the operation.

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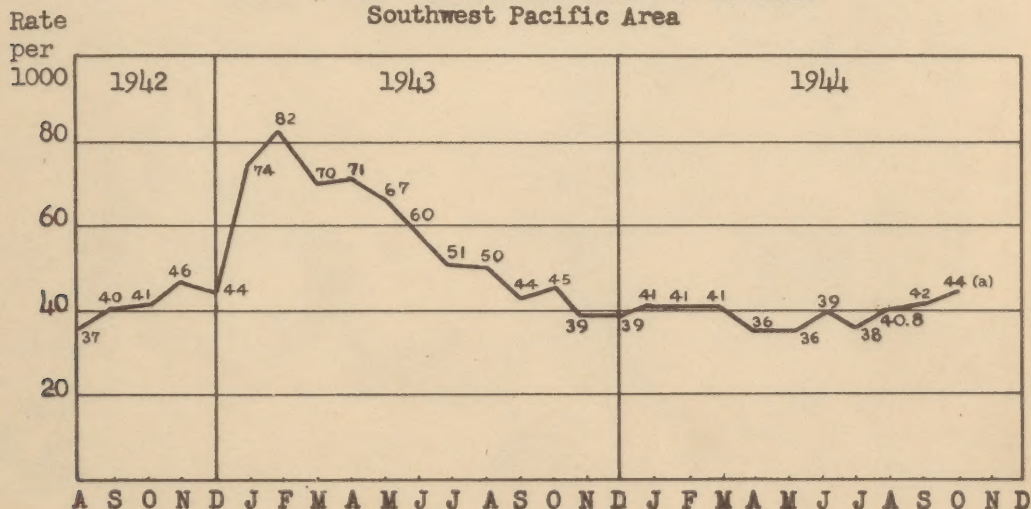
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LEADING CAUSES OF NONEFFECTIVENESS - SEPTEMBER, 1944
(Based on Reported Conditions)



MEAN DAILY NONEFFECTIVE RATE PER THOUSAND
Southwest Pacific Area



(a) Estimated, in that this rate is based on Abbreviated (Radio-graphic) Weekly Statistical Reports.

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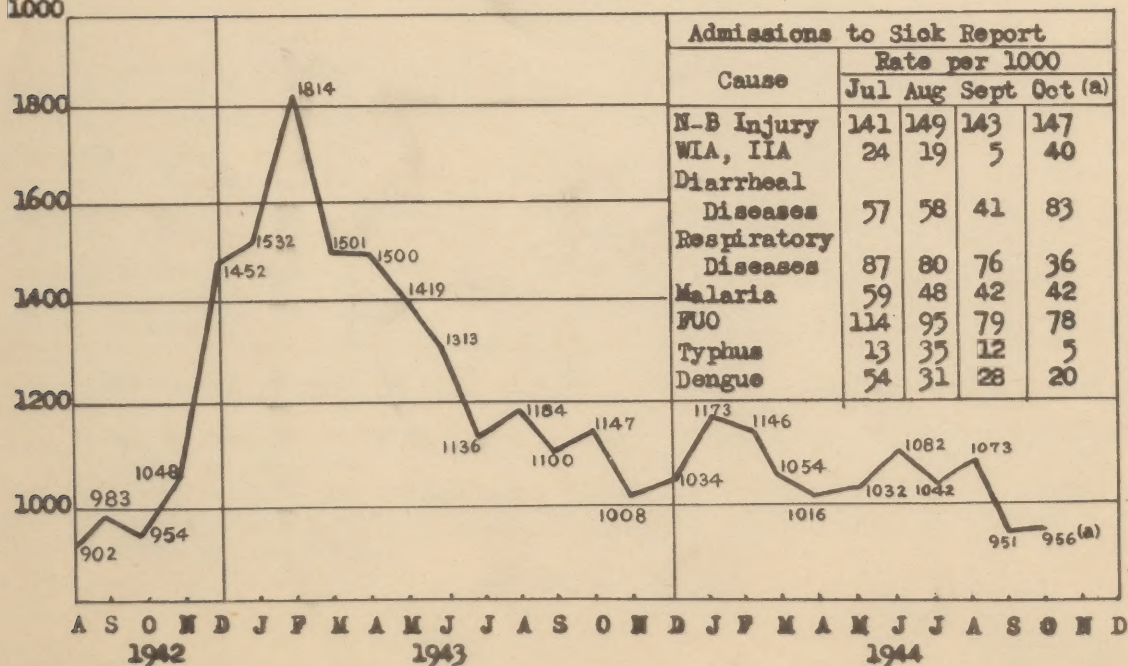
ADMISSIONS TO SICK REPORT ALL CAUSES Rates per Thousand per Annum

Command	1944				Comparative Admission Rates October, Annual Rates per 1000					
	July	Aug.	Sept.	Oct.	300	600	900	1200	1500	1800
SWFA, ALL	1042	1073	951	956 ^(a)						
SOS Bases										
New Guinea	872	975	948	906						
"A"	852	1148	1124	1206						
"B"	748	848	744	725						
"D"	705	729	644	587						
"E"	1027	840	696	895						
"F"	833	779	712	666						
"G"	1167	1368	1437	1187						
"H"	-	2212	1212	929						
SOS Bases										
Mainland	741	745	688	671						
2	719	728	775	625						
3	697	737	697	702						
7	815	764	733	632						

(a) All of the rates above are computed on the basis of consolidated monthly statistical health reports (WDMD 86ab) with the exception of October 1944 which is based on the weekly abbreviated statistical report. Above rates are subject to change upon receipt of late reports.

ADMISSIONS TO SICK REPORT, SWPA August, 1942 - October, 1944 inclusive Annual Rates per Thousand

Rate
per
1000



(a) Based on abbreviated radiographic statistical report.

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SECRETDEATHS BY CAUSES, SWPA

Total, 1943; 1944 thru September; and September, 1944

Absolute Numbers and Crude Annual Rates per Thousand*

Cause	1943		1944 thru September		September, 1944	
	Number	Rate per 1000	Number	Rate per 1000	Number	Rate per 1000
Non-battle injury, all	576	3.010	1034	2.833	253	3.911
Accidents, all	535	2.796	937	2.568	243	3.767
Automobiles	60	0.314	116	0.318	31	0.479
Street cars	1	0.005	2	0.005	--	--
Motorcycles	4	0.021	--	--	--	--
Railroad	12	0.063	3	0.008	--	--
Air Transportation	291	1.521	245	0.671	57	0.881
Water Transportation	4	0.021	3	0.008	--	--
Drowning	46	0.240	193	0.529	49	0.757
Burns	14	0.073	50	0.137	15	0.232
Falls	15	0.078	12	0.033	3	0.046
Firearms	58	0.303	113	0.310	44	0.680
Electrocution	4	0.021	10	0.027	2	0.031
Animals	2	0.010	--	--	--	--
Poisoning	6	0.031	9	0.025	5	0.077
Other	18	0.094	182	0.499	37**	0.572
Suicides, all	31	0.162	77	0.211	9	0.139
Homicides, all	10	0.052	20	0.055	1	0.015
Diseases, all	154	0.805	345	0.945	73	1.129
Died of Battle Wounds	102	0.533	451	1.236	20	0.309
Killed in Action	1010	5.278	2178	5.967	121***	1.871
Total Deaths, all causes	1842	9.625	4008	10.981	467	7.219

* Based on WDMD 86ab, "Statistical Report"; subject to correction on receipt of late information.

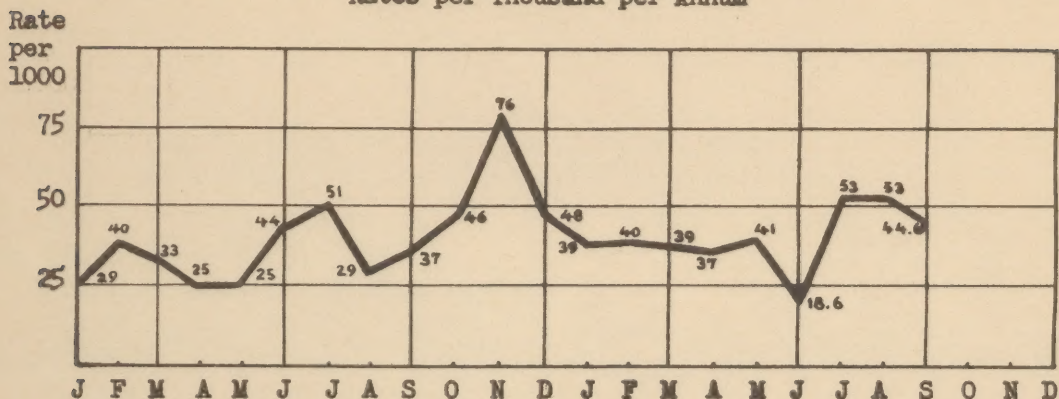
** (Falling trees - 19, Explosions - 8, Execution - 1, Machinery - 3, Others - 5.)

*** (8 KIA previously reported MIA; 3 - November period 1942; 5 - December period 1942 not included.)

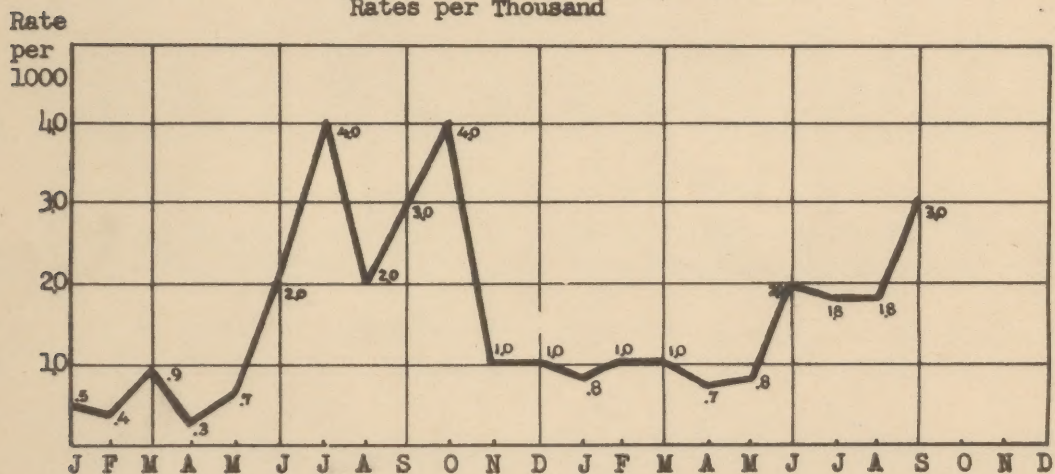
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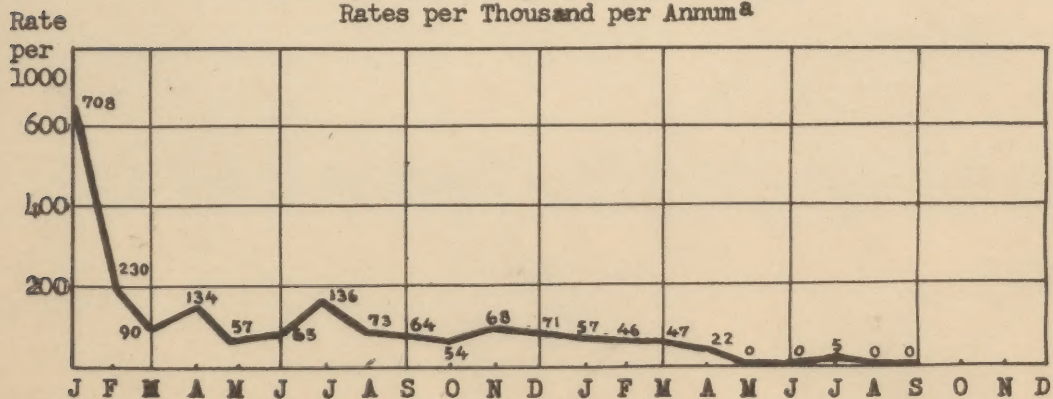
MEDICAL EVACUATIONS, SWPA TO UNITED STATES
January, 1943 - Sept., 1944, Inclusive
Rates per Thousand per Annum



MEDICAL EVACUATIONS, (BOARDED) AWAITING EVACUATION TO UNITED STATES
January, 1943 - Sept., 1944, Inclusive
Rates per Thousand



MEDICAL EVACUATIONS, NEW GUINEA TO AUSTRALIA
January, 1943 - Sept., 1944, Inclusive
Rates per Thousand per Annum^a



(a) Based on Station List Strengths.

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MEDICAL EVACUATIONS BY CAUSE - SWPA TO UNITED STATES

Absolute Numbers and Rates per Thousand per Annum***

MEAN STRENGTH	191366			410308			627676			661598			672733		
	Year 1943			1st Six Mo. 1944			July			August			September		
	Cases	Rate	%	Cases	Rate	%	Cases	Rate	%	Cases	Rate	%	Cases	Rate	%
ARTHRITIS	493	2.58	5.94	365	1.78	5.15	139	2.66	5.01	162	2.94	5.51	99	1.77	3.96
ASTHMA	480	2.51	5.79	358	1.74	5.05	131	2.50	4.72	115	3.09	3.91	84	1.50	3.36
NEOPLASM	31	0.16	0.37	49	--	0.69	13	0.25	0.47	13	0.24	0.44	20	0.36	0.80
CARDIO-VASCULAR							40	0.76	1.44	40	0.73	1.36	27	0.48	1.08
OTHER	215	1.12	2.59	177	0.86	2.49									
HYPERTENSION	59	0.31	0.71	39	0.19	0.55	16	0.31	0.57	16	0.29	0.54	10	0.18	0.40
DEFECT OR DEFORMITY (NON-MENTAL)	401	2.10	4.83	437	2.13	6.16	84	1.61	3.03	79	1.43	2.69	49	0.87	1.96
DERMATITIS	236	1.23	2.85	557	2.71	7.85	454	8.68	16.36	642	11.64	21.83	579	10.33	23.15
DIABETES	38	0.20	0.46	14	0.07	0.20	10	0.19	0.36	3	0.05	0.10	4	0.07	0.16
PEPTIC ULCER	286	1.49	3.45	120	0.58	1.69	74	1.41	2.66	46	0.83	1.56	58	1.03	2.32
FILARIASIS	38	0.20	0.46	33	0.16	0.47	--	--	--	1	0.02	0.03	3	0.05	0.12
MALARIA AND SEQUELAE	108	0.56	1.30	15	0.07	0.21	3	0.06	0.11	8	0.15	0.27	5	0.09	0.20
TYPHUS AND SEQUELAE	17	0.09	0.20	25	0.12	0.35	34	0.65	1.23	28	0.51	0.95	26	0.46	1.04
TUBERCULOSIS	97	0.51	1.17	95	0.46	1.34	32	0.61	1.15	20	0.36	0.68	42	0.75	1.68
NEUROSYPHILIS	44	0.23	0.53	25	0.12	0.35	3	0.06	0.11	10	0.18	0.34	4	0.07	0.16
OTHER VENEREAL	9	0.05	0.11	3	0.01	0.04	--	--	--	--	--	--	2	0.04	0.08
BATTLE CASUALTY AND SEQUELAE	551	2.88	6.64	344	1.68	4.85	301	5.75	10.85	336	6.09	11.42	270	4.82	10.79
NON-BATTLE INJURY AND SEQUELAE	751	3.92	9.05	696	3.39	9.81	344	6.58	12.39	267	4.84	9.08	224	4.00	8.95
PSYCHOSES, ALL	862	4.50	10.39	1366	6.66	19.26	418	7.99	15.06	376	6.82	12.78	303	5.40	12.12
CONSTITUTIONAL PSYCHOPATHIC STATES	70	0.37	0.84	3	0.01	0.04	--	--	--	1	0.02	0.03	--	--	--
MENTAL DEFICIENCY	48	0.25	0.58	1	0.004	0.01	1	0.02	0.04	2	0.04	0.06	2	0.04	0.08
PSYCHO-NEUROSES, ALL	2303	12.03	27.77	1370	6.68	19.31	260	4.97	9.37	308	5.59	10.48	294	5.24	11.76
EPILEPSY	101	0.53	1.22	99	0.48	1.40	38	0.73	1.37	43	0.78	1.46	22	0.39	0.88
ORGANIC NEUROLOGICAL	122	0.64	1.47	137	0.67	1.93	64	1.22	2.31	69	1.25	2.35	78	1.39	3.12
OTHER CONDITIONS															
ALL	934	4.88	11.26	766	3.73	10.80	316	6.04	11.39	355	6.44	12.09	296	5.28	11.83
TOTAL	8294	43.34	100.00	7094	34.58	100.00	2775	53.05	100.00	2940	53.32	100.00	2501	44.61	100.00

***Subject to changes upon receipt of late reports.

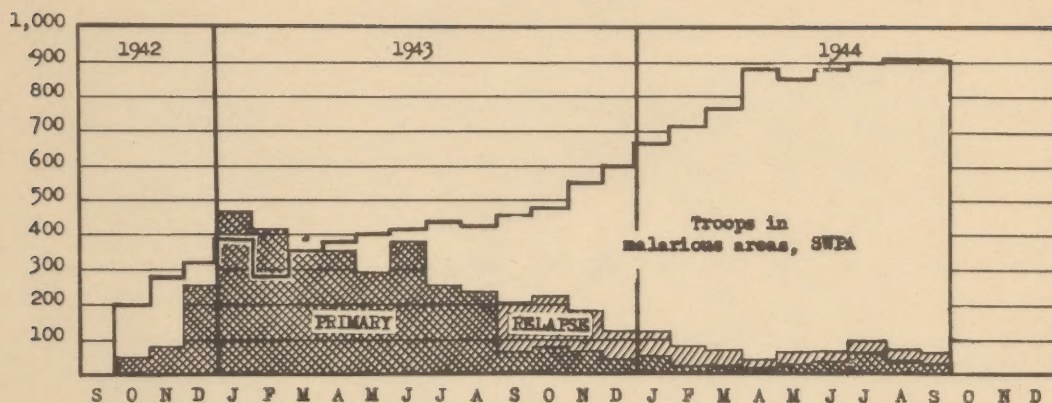
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RATE
PER
1000

S.W.P.A. MALARIA ATTACK RATES

Per 1,000 Per Annum



- S O N D J F M A M J J A S O N D J F M A M J J A S O N D
- (a) Strength based on station lists, USAFFE.
(b) Rates computed from WDMO 86ab.
(c) Relapse rates prior to Sept. '43 not available.

MALARIA ATTACK RATE - SWPA - SEPT. 1944

	GHQ USAFPE		USASOS		ARMY		14TH AA		AIR FORCE		TOTAL	
	C	R	C	R	C	R	C	R	C	R	C	R
ORO BAY - DOBODURA - GOODENOUGH	56	34	67	41	41	17	2	23	0	0	166	28
FINSCHHAFEN - SAIDOR	1	76	63	24	20	15	21	26	15	15	120	21
MILNE BAY	11	75	15	8	0	0	6	14	0	0	32	13
LAE - NADZAB	0	0	21	28	0	0	18	65	36	37	75	38
HOLLANDIA - AITAPE	2	9	70	24	367	74	30	62	60	48	529	84
BIAK - TOEM - WADKE - NGEMFOOR	0	0	54	28	207	68	10	19	187	44	468	47
BOUGAINVILLE	0	0	0	0	126	39	3	9	0	0	129	35
ADMIRALTIES	0	0	2	8	59	40	6	34	4	17	71	33
CAPE GLOUCESTER - ARAWE	0	0	2	23	10	8	1	7	0	0	13	8
SANSAPOR	0	0	13	28	25	16	2	13	11	14	51	17
MOROTAI	0	0	0	0	131	161	0	0	0	0	131	35
TOTAL	70	34	307	23	986	46	99	27	313	34	1775	36

C - TOTAL CASES

R - RATE PER THOUSAND PER ANNUM

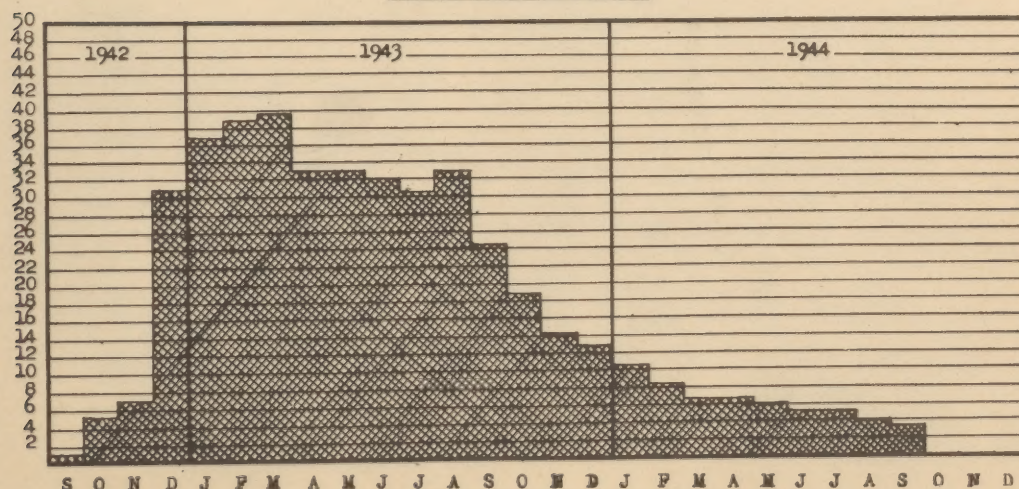
SOUTH PACIFIC ISLANDS (TREASURY - EMIRAU - NEW GEORGIA - GREEN): TOTAL CASES 20; RATE 8

TOTAL SOUTHWEST PACIFIC AREA:

	AUGUST	SEPT.
PRIMARY ATTACK RATE	27	21
RECURRENT ATTACK RATE	15	15
TOTAL	42	36

PERCENTAGE OF DISEASE HOSPITAL BEDS OCCUPIED BY

MALARIA CASES IN S.W.P.A.



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STATUS OF HOSPITAL BEDS, SWPA

a. Summary

Command	Hospital Beds in Theater		
	Fixed	Mobile	Total
Services of Supply	30,000	25	30,025
Fifth Air Force	200 /	125 /	325
Sixth Army	12,650 /	5,150	17,800
14th Corps	1,050 /	750	1,800
Total	43,900	6,050	49,950

Attached to Services indicated, assigned SOS.

b. Fixed Hospital Beds by Area.

USASOS Bases

Area	Staging	Under Orders Out of Base	Con-structing	T/O Operating	Beds Occupied	% of Operating T/O Beds Occupied	Under Orders Into Base
7	0	1000		250	256	102	
3	0	150		1150	872	75	
2	0	1250		100	121	121	
1	0	0		200	104	52	
D	0	1000		0			
A	0	2750		3150	2878	91	
B	0	0		2500	2083	83	
E	0	400		3250	2097	64	
F	0	2000		6650	6042	90	
G	0	1000		6800	4081	60	
H	0		2000	2450	1187	48	
SHIPS	0			200			
Total		9550*	2000	26700	19721	74	

Army Supply Points

NOEMFOOR-SANSAFOR	0			900	703	78	
WAKDE	0			400	130	32	
NEW BRITAIN	0			1000	345	34	
AITAPE	0			250	245	98	
MANUS	250			250	185	74	
MORO TAI	0			750	0	0	
LEYTE	0			800	0	0	8050
14TH CORPS AREA	0			1050	281	27	
Total	250			5400	1889	35	8050
GRAND TOTAL	250	9550	2000	32100	21610	67	8050

* 1500 beds alerted for a future operation.

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GENERAL COMMENT

AVAILABLE SHIPPING, WAREHOUSING AND DOCK FACILITIES OCCASIONALLY MAKE THE FOLLOWING OF A PLANNED MENU DIFFICULT. AS A CHECK ON PLANNED REQUIREMENTS, NUTRIENTS AS ACTUALLY ISSUED TO TROOPS ARE NOW REPORTED EACH MONTH. THESE REPORTS (CMD-118) APPLY TO THE "Y" SCALE AREA FROM SEPTEMBER 1944 AND TO THE "X" SCALE AREA FROM AUGUST 1944.

FOOD ENRICHMENT

DRY YEAST PURCHASED FROM AUSTRALIAN SOURCES IS ENRICHED WITH THIAMIN AND RIBOFLAVIN AND FORTIFIED WITH CALCIUM SALTS. WHILE DRY YEAST FROM THE UNITED STATES IS NEITHER ENRICHED NOR FORTIFIED, THE FLOUR FROM THE UNITED STATES IS ENRICHED WITH THIAMIN AND RIBOFLAVIN. RECOMMENDATIONS HAVE BEEN MADE TO HAVE ALL FLOUR SUPPLIED SWPA FROM THE UNITED STATES, FORTIFIED WITH 500 TO 2000 MILLIGRAMS PER POUND OF CALCIUM OR SALTS. THE USE OF AUSTRALIAN FLOUR (NON-ENRICHED, NON-FORTIFIED) WITH YEAST FROM THE UNITED STATES WILL JEOPARDIZE THE DIETARY OF THE TROOPS BY FURNISHING INSUFFICIENT VITAMINS AND MINERALS. ACTION IS BEING INITIATED TO OBTAIN THE ABOVE DEFICIENCIES.

SANITARY REPORTS

LESS THAN 3% OF ALL MONTHLY SANITARY REPORTS CONTAIN STATEMENTS THAT THE DIET IS INADEQUATE. LACK OF VARIETY IN FOODS RESULTING IN WASTE IS A MAJOR PROBLEM IN SWPA AND EVERY EFFORT IS BEING MADE TO REMOVE INEQUALITIES IN DISTRIBUTION TO CORRECT THIS LACK OF VARIETY.

NUTRIENT CONTENT OF ARMY RATION

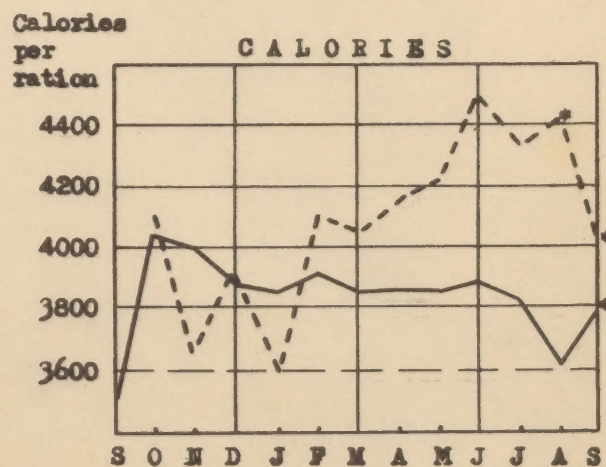
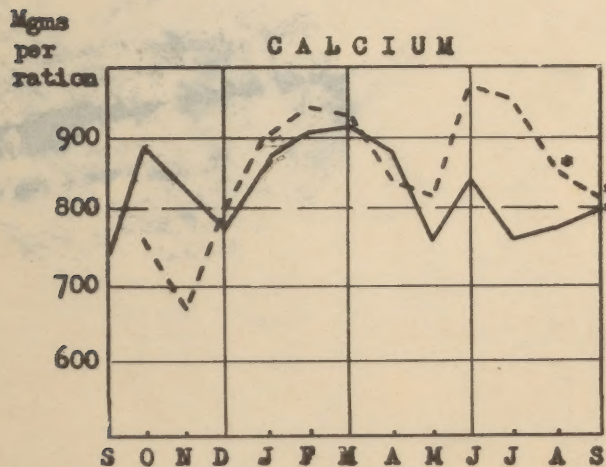
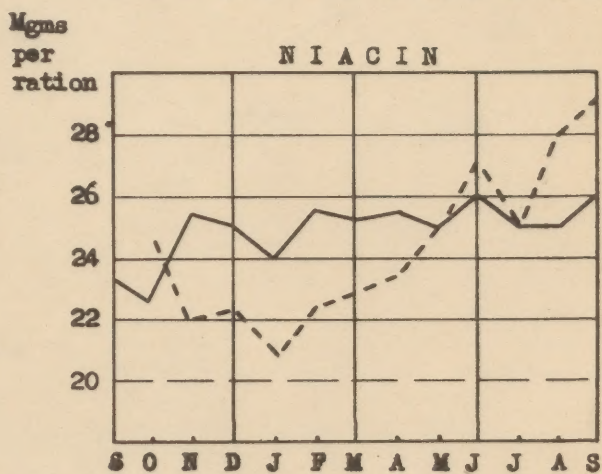
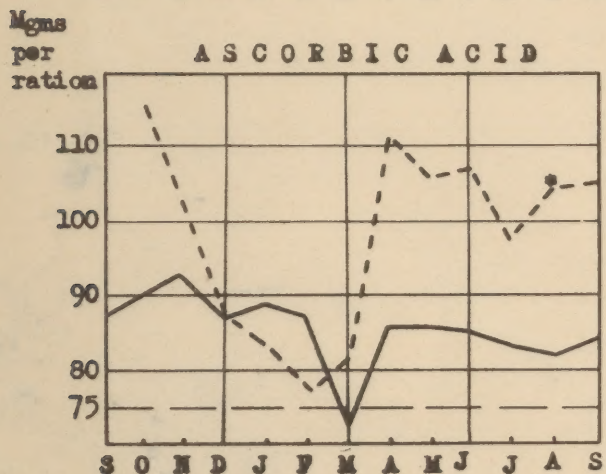
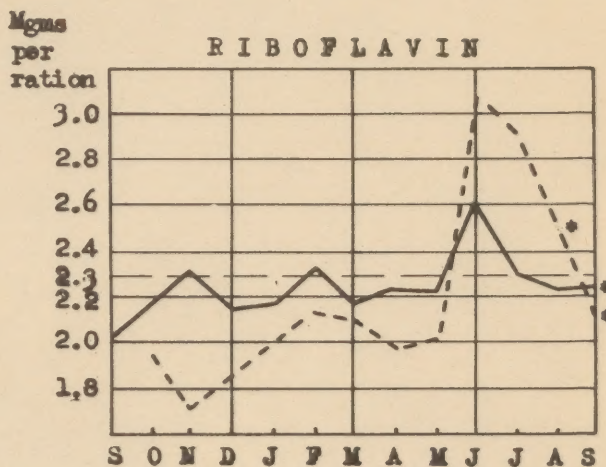
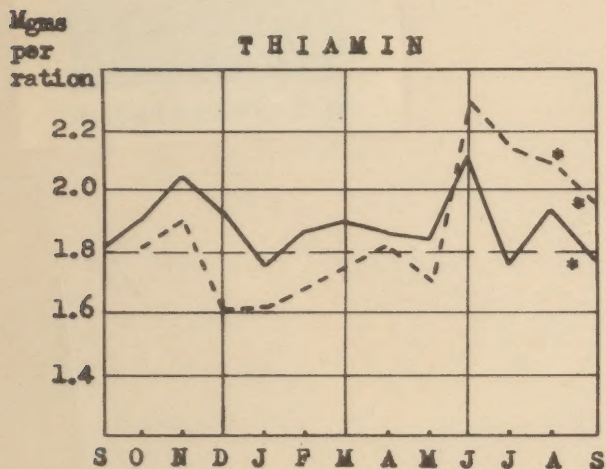
CONTINUOUS STUDIES OF THE RATIONS AS PLANNED AND AS ISSUED ARE CONDUCTED. ALL DEFICIENCIES OF NUTRIENTS REPORTED ARE DISCUSSED WITH THE QUARTERMASTER. CORRECTIVE ACTION IS THUS INITIATED SO AS TO PROVIDE A RATION WHICH IS ACCEPTABLE, PALATABLE AND WHICH CONTAINS AS MUCH VARIETY AS STOCKS PERMIT. PLANNED MENUS FOR THE "Y" SCALE AREA TO AUGUST SHOW ADEQUATE THOUGH MARGINAL AMOUNTS OF THIAMIN AND RIBOFLAVIN. THE ASCORBIC ACID, NIACIN AND CALCIUM CONTENT OF THE FOODS PLANNED FOR ISSUE WERE SATISFACTORY. AN ACCEPTABLE CALORIFIC CONTENT EXISTED. PLANNED MENUS FOR THE "X" SCALE AREA UP TO AUGUST SHOW ADEQUATE AMOUNTS OF ALL B-COMPLEX VITAMINS, ASCORBIC ACID, MINERALS AND CALORIES. WITH THE ASSIGNMENT OF ADDITIONAL NUTRITION OFFICERS, REPORTS ON FOODS AS ACTUALLY ISSUED IN BOTH THE "X" AND "Y" RATION SCALE AREAS HAVE BEEN INSTITUTED. THE FIRST OF THESE REPORTS FOR THE "X" SCALE AREA SHOW THE FOODS ACTUALLY ISSUED TO CONTAIN MARGINAL AMOUNTS OF THIAMIN AND RIBOFLAVIN, ADEQUATE AMOUNTS OF ASCORBIC ACID, SUFFICIENT NIACIN, ACCEPTABLE QUANTITIES OF CALCIUM AND ADEQUATE ENERGY FOODS. ACTUALLY ISSUED FOOD QUANTITIES IN THE "Y" SCALE AREA PRESENT A SIMILAR PICTURE WITH THE EXCEPTION THAT CALORIFIC INTAKE WAS SOMEWHAT LOWER THOUGH ADEQUATE FOR THE DEGREE OF TROOP ACTIVITY. IMPORTANT NUTRIENT CONTENT OF TROOP DIETARIES ARE PRESENTED GRAPHICALLY IN THE FOLLOWING CHARTS:

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MONTHLY AVERAGE MENU VALUES OF SELECTED COMPONENTS OF THE DIET

September, 1943 - September, 1944



— "Y" Scale Area

- - - "X" Scale Area

- - - Minimum Requirements

*Actually issued in foods (Corrected for losses)

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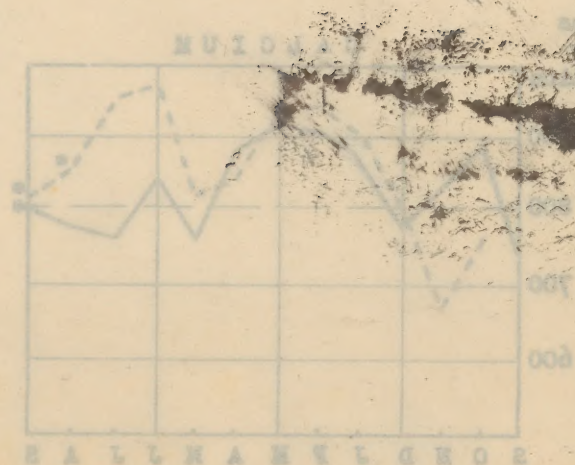
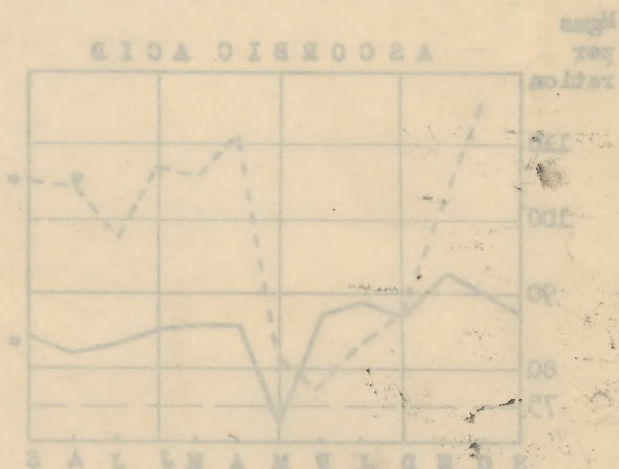
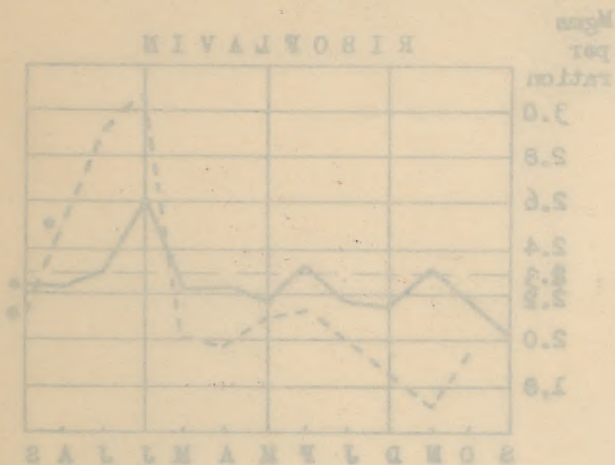
MONTHLY AVERAGE MEAN VALUES OF SELECTED COMPONENTS OF THE DIET

September, 1943 - September, 1944

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— "Y" Scale Axis
 --- "X" Scale Axis
 --- Minimum Requirements

* Actually issued in foods (corrected for losses)

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